

WATER QUALITY M E M O R A N D U M

Utah Coal Regulatory Program

January 27, 2004

TO: Internal File

THRU: Daron Haddock, Permit Supervisor

FROM: David Darby, Senior Reclamation Specialist

RE: 2003 Second Quarter Water Monitoring, , Consolidation Coal Company, Emery Deep Mine, C/015/0015-WQ03-2, Task ID #1825

1. Was data submitted for all of the MRP required sites? YES [] NO [X]

Identify sites not monitored and reason why, if known:

Information for this report was evaluated from file; 0:\015015.eme\Water Quality\Datacheck012304.xls.

For the 2nd quarter, all spring data was submitted. No UPDES data was submitted. Most stream data was not submitted. Water levels and water quality data was not submitted for wells Bryant, EMRIA 1, TP-U and USGS1-2, and no monitoring data was submitted for ZZ-L. No UPDES data was submitted.

2. On what date does the MRP require a five-year resampling of baseline water data.

See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement.

Resampling due date _____

Plan does not specify.

3. Were all required parameters reported for each site? YES [] NO [X]

Comments, including identity of monitoring site:

Most stream data was not submitted. Water Level and water quality data was not submitted for wells TP-U and USGS1-2 Bryant and EMRIA 1, and no monitoring data was submitted for ZZ-L. No UPDES data was submitted. Spring data was okay.

4. Were irregularities found in the data?

YES [X] NO []

Comments, including identity of monitoring site:

Some sites showed constituents several standard deviations away from normal (see 2 yr snapshot). These irregularities could be related to the exceptional dry weather or water samples are getting mixed up.

5. Were DMR forms submitted for all required sites?

1st month, YES [X] NO []

2nd month, YES [] NO [X]

3rd month, YES [] NO [X]

Identify sites and months not monitored:

6. Were all required DMR parameters reported?

YES [] NO [X]

Comments, including identity of monitoring site:

7. Were irregularities found in the DMR data?

YES [X] NO []

Comments, including identity of monitoring site:

None submitted.

8. Based on your review, what further actions, if any, do you recommend?

I have sent a copy of the data file to Steve Demczak and James Byars so they know what data is missing and hopefully submit it to the database. The data that is missing in the data file is identified by red highlighted areas of the table where the data should be.

The operator should take a close look at the data to determine why the standard deviations are so far off.